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**NEW MEXICO  
ENVIRONMENT DEPARTMENT**

***Hazardous Waste Bureau***

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DAVE MARTIN  
Cabinet Secretary

**CERTIFIED MAIL - RETURN RECEIPT REQUESTED**

January 14, 2011

George J. Rael  
Assistant Manager  
U.S. Department of Energy  
National Nuclear Security Administration  
Los Alamos Site Office  
3747 West Jemez Rd, MS A316  
Los Alamos, NM 87544

Michael J. Graham  
Associate Director Environmental Programs  
Los Alamos National Security, L.L.C.  
P.O. Box 1663, MS M991  
Los Alamos, NM 87545

**RE: REVIEW  
PERIODIC MONITORING REPORT FOR MORTANDAD AND SANDIA  
WATERSHEDS, MAY 3 – MAY 19, 2010  
LOS ALAMOS NATIONAL LABORATORY  
EPA ID #NM0890010515  
HWB-LANL-10-094**

Dear Messrs. Rael and Graham:

The New Mexico Environment Department (NMED) has received the United States Department of Energy (DOE) and the Los Alamos National Security L.L.C.'s (LANS) (collectively, the Permittees) *Periodic Monitoring Report for Mortandad and Sandia Watersheds, May 3 – May 19, 2010* dated November 2010 and referenced by LA-UR-10-6041 / EP2010-0394 (Report). NMED has reviewed the Report and provides the following comments.

1. NMED noted that the Permittees provided explanations for NMED's comments on previous Periodic Monitoring Reports as requested.
2. NMED noted a substantially elevated value for filtered specific conductance (19,600  $\mu\text{S}/\text{cm}$ ), sampled on May 3, 2010, compared to historical values for

Messrs. Rael and Graham  
January 14, 2011  
Page 2

specific conductance (270-333  $\mu\text{S}/\text{cm}$ ) at location TS-1W. The Permittees must evaluate the reported result and provide an explanation for the elevated value in the next Periodic Monitoring Report.

The next submittal must reference this Report and all applicable page and table numbers. Please contact Pat Stewart at (505) 476-6059 should you have any questions.

Sincerely,



John E. Kieling  
Program Manager  
Permits Management Program  
Hazardous Waste Bureau

cc: J. Kieling, NMED HWB  
D. Cobrain, NMED HWB  
M. Dale, NMED HWB  
J. Kulis, NMED HWB  
P. Stewart, NMED HWB  
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L. King, EPA 6PD-N  
File: Reading and LANL 2010 – Mortandad and Sandia Watersheds PMR